IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	
Pascal, et al.	Art Unit: 1638
Serial. No. 10/087,167	Examiner: TBA #8
Filed: October 24, 2001	Atty Docket: 50018A
For: Control of Gene Expression in Plants	Confirmation No.: 4256

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

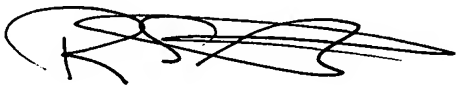
This Information Disclosure Statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98. The items listed on the enclosed Form PTO-1449 may be deemed to be pertinent to the above-identified application and are made of record to assist the Patent and Trademark Office in its examination of this application. Copies of the listed items are enclosed herewith. The Examiner is respectfully requested to fully consider the items in relation to this application and to indicate that each reference was considered by returning a copy of the initialed PTO 1449 forms.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants reserve the right to dispute any of the listed documents as prior art during examination. Further, Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the

claims of the present application. Further, the submission of the Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other material information may exist.

In accordance with 37 CFR §1.97(b)(3), no fee is believed to be required for consideration of this Statement since it is being submitted before the mailing date of a first Office Action on the merits. If a fee is deemed to be required, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 50-1744.

Respectfully submitted,



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FORM PTO-1449 (REV. 7-85)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY. DOCKET NO. 50018A
APPLICATION NO. 10/087,167
APPLICANT Pascal, et al.
FILING DATE 10/24/2001
CONFIRMATION NO. 4256
Group 1638

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILIN DATE
	AA	4,833,080	5/23/89	Brent et al.	435	172.3	
	AB	4,981,784	1/1/91	Evans et al.	435	6	
	AC	5,171,671	12/15/92	Evans et al.	435	69.1	
	AD	5,262,300	11/16/93	Evans, et al.	435	6	
	AE	5,534,418	7/9/96	Evans et al.	435	69.1	
	AF	5,614,395	3/25/97	Ryals et al.	435	172.3	
	AG	5,641,652	6/24/97	Oro et al.	435	69.1	
	AH	5,688,691	11/18/97	Oro et al.	455	348	
	AI	5,707,800	1/13/98	Mangelsdorf et al.	435	6	
	AJ	5,710,004	1/20/98	Evans et al.	435	6	
	AK	5,874,534	2/23/99	Vegeto et al.	530	350	
	AL	5,880,333	3/9/99	Goff et al.	800	288	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	AM	EP 0 332 104	6/3/89	EP			☐	☐
	AN	WO 90 11273	10/4/90	WIPO			☐	☐
	AO	WO 91 12258	1/20/94	WIPO			☐	☐
	AP	WO 91 13167	9/5/91	WIPO			☐	☐
	AQ	WO 91 14695 A	10/3/91	WIPO			☐	☐
	AR	WO 93 03162	2/18/93	WIPO			☐	☐
	AS	WO 93 06215	4/1/93	WIPO			☐	☐
	AT	WO 93 21334 A	10/28/93	WIPO			☐	☐
	AU	WO 93 23431	11/25/93	WIPO			☐	☐
	AV	WO 94 01558 A	1/20/94	WIPO			☐	☐
	AW	WO 96 27673 A	9/12/96	WIPO			☐	☐
	AX	WO 96 37609	11/28/96	WIPO			☐	☐
	AY	WO 97 38117	10/16/97	WIPO			☐	☐

EXAMINER	DATE CONSIDERED

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	BA	Beato, M., *Gene Regulation by Steroid,* *Cell,* Vol. 56 (February 10, 1989) pp. 335-344
	BB	Brent, R. and Ptashne, M., *A Eukaryotic Transcriptional Activator Bearing the DNA Specificity of a Prokaryotic Repressor* *Cell*, Vol. 43 (1985) pp. 729-736
	BC	Christianson, A. and Kafatos, F., *Binding Affinity of the Drosophila melanogaster CF1/USP Protein to the Chorion s15 Promoter* *Biochemical and Biophysical Research Communications*, Vol. 193, No. 3 (June 30, 1993) pp. 1318-1323
	BD	Christopherson, et al., *Ecdysteroid-dependent regulation of genes in mammalian cells by a Drosophila ecdysone receptor and chimeric transactivators,* *Proceedings of the National Academy of Sciences*, Vol. 89 (1992) pp. 6314-6318.
	BE	Desjarlais, J. R. and Berg, J. M., *Use of a zinc-finger consensus sequence framework and specificity rules to design specific DNA binding proteins* *Proceedings of the National Academy of Science, USA*, Vol. 90 (March 1993), pp. 2256-2260
	BF	Dhadialla et al., *New Insecticides with Ecdysteroidal and Juvenile Hormone Activity* *Annual Review of Entomology*, Vol. 43 (1998) pp. 545-569
	BG	Evans, R., *The Steroid and Thyroid Hormone Receptor Superfamily* *Science*, Vol. 240 (May 13, 1988) pp. 889-895
	BH	Fujiwara et al., *Cloning of an Ecdysone Receptor Homolog from Manduca Sexta and the Development Profile of Its mRNA in Wings* *Insect Biochemistry and Molecular Biology*, Vol. 25, No. 7 (1995) pp. 845-856
	BI	Gaffney et al., *Requirement of Salicylic Acid for the Induction of Systemic Acquired Resistance* *Science*, Vol. 261 (August 6, 1993) pp. 754-756
	BJ	Goff, et al., *Identification of functional domains in the maize transcriptional activator C1: comparison of wild-type and dominant inhibitor proteins* *Genes & Development*, Vol. 5 (1991) 298-309
	BK	Harmon et al., *Activation of mammalian retinoid X receptors by the insect growth regulator methoprene* *Proceedings of the National Academy of Sciences*, Vol. 92 (June 1995) p. 6157-6160
	BL	Henrich, et al., *A steroid/thyroid hormone receptor superfamily member in Drosophila melanogaster that shares extensive sequence similarity with a mammalian homologue* *Nucleic Acids Research*, Vol. 18, No. 14 (1990) pp. 4143-4148
	BM	Jones, G. and Sharp, Phillip, *Ultraspiracle: An invertebrate nuclear receptor for juvenile hormones* *Proceedings of the National Academy of Sciences*, Vol. 94 (December 1997), pp. 13499-13503

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	BN	Koelle, et al., *The Drosophila EcR Gene Encodes an Ecdysone Receptor, a New Member of the Steroid Receptor Superfamily* *Cell*, Vol. 67 (1991) pp. 59-77.
	BO	Kothapalli, et al., Cloning and developmental expression of the ecdysone receptor gene from th spruce budworm, Choristoneura fumiferana *Developmental Genetics*, Vol. 17 (1995) pp. 319-330.
	BP	Liu, et al., *Design of polydactyl zinc-finger proteins for unique addressing within complex genomes* *Proceedings of the National Academy of Science, USA*, Vol. 94 (May 1997) pp. 5525-5530
	BQ	Lloyd et al., *Epidermal Cell Fate Determination in Arabidopsis: Patterns Defined by a Steroid-Inducible Regulator* *Science*, Vol. 266 (October 21, 1994) pp. 436-439
	BR	Martinez et al., *A chemically inducible gene expression system for plants based on the ecdysteroid receptor from Heliothis virescens* *Plant Physiology*, (Supp.) Vol. 114, No. 3 (July 1997), pp. 258
	BS	Meijer, et al. *HD-Zip proteins of families I and II from rice: interactions and functional properties* *Molecular and General Genetics*, Vol. 263 (2000) pp. 12-21
	BT	Meshi, T. and Iwabuchi M., *Plant Transcription Factors* *Plant Cell Physiology*, Vol. 36(8) (1995) pp. 1405-1420
	BU	Ng, H. and Bird, A., *Histone deacetylases: silencers for hire* *Trends in Biochemical Sciences*, Vol. 25 (March 2000) pp. 121-126
	BV	Oro, et al., *Relationship between the product of the Drosophila ultraspiracle locus and the vertebrate retinoid X receptor* *Nature*, Vol. 347 (September 20, 1990), pp. 298-301
	BW	Oro, et al., *The Drosophila nuclear receptors: new insight into the actions of nuclear receptors in development* *Current Opinion in Genetics and Development*, Vol. 2 (1992), pp. 269-274
	BX	Palli, et al., *A nuclear juvenile hormone-binding protein from larvae of Manduca Sexta: A putative receptor for the metamorphic action of juvenile hormone* *Proceedings of the National Academy of Sciences*, Vol. 91 (June 1994), pp. 6191-6195
	BY	Parker et al., *Structure and function of nuclear hormone receptors* *Seminars in Cancer Biology*, Vol. 1 (1990) p. 81-87

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	BZ	Picard et al., A Movable and Regulable Inactivation Function within the Steroid Binding Domain of the Glucocorticoid Receptor *Cell*, Vol. 54 (September 23, 1988) pp. 1073-1080
	CA	Ptashne M., *How eukaryotic transcriptional activators work* *Nature,* Vol. 335 (1988) pp. 683-689.
	CB	Riddiford, L., *Hormone Receptors and the Regulation of Insect Metamorphosis* *Receptor,* Vol. 3 (1993) pp. 203-209
	CC	Sadowski, et al., *GAL4-VP16 is an unusually potent transcriptional activator* *Nature*, Vol. 335 (1988) 563-564
	CD	Saleh, D., et al., *Cloning and characterization of an ecdysone receptor cDNA from Locusta migratoria* *Molecular And Cellular. Endocrinology,* Vol. 143 (1998) pp. 91-99
	CE	Schena, M., et al. *A steroid-inducible gene expression system for plant cells* *Proceedings of the National Academy of Sciences*, Vol. 88 (December 1991) pp. 10421-10425
	CF	Segraves, A., *Something Old, Some Things New: The Steroid Receptor Superfamily in Drosophila* *Cell*, Vol. 67 (October 18, 1991) pp. 225-228
	CG	Sutherland, et al., *Drosophila hormone receptor 38: A second partner for Drosophila USP suggests an unexpected role for nuclear receptors of the nerve growth factor-induced protein B type* *Proceedings of the National Academy of Sciences*, Vol. 92 (August 1995) pp. 7966-7970
	CH	Swevers et al., *The Silkmoth Homolog of the Drosophila Ecdysone Receptor (B1 Isoform): Cloning and Analysis of Expression During Follicular Cell Differentiation* *Insect Biochemistry and Molecular Biology,* Vol. 25, No. 7 (1995) pp. 857-866
	CI	Thomas, et al., *Heterodimerization of the Drosophila ecdysone receptor with retinoid X receptor and ultraspiracle* *Nature*, Vol. 362 (April 1993) pp. 471-475
	CJ	Triezenberg, et al., *Functional dissection of VP16, the transactivator of herpes simplex virus immediate early gene expression* *Genes & Development*, Vol. 2 (1988) pp. 718-729
	CK	Wing K.D., *RH 5849, a Nonsteroidal Ecdysone Agonist: Effects on a Drosophila Cell Line* *Science*, 241 (1988) 467-469.
	CL	Wu, et al., *Functional analysis of HD2 histone deacetylase homologues in Arabidopsis thaliana* *The Plant Journal*, Vol. 22(1) (2000) pp. 19-27

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1638

PTO/SB/21 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/087,167
Filing Dat	10/24/2001
First Named Inventor	PASCAL
Group Art Unit	1638
Examiner Name	TBA
Total Number of Pages in This Submission	7
Attorney Docket Number	50018A

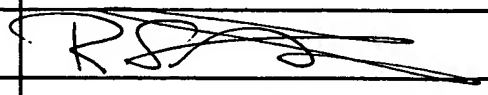
ENCLOSURES *(check all that apply)*

- [ ] Fee Transmittal Form
  - [ ] Fee Attached
- [ ] Amendment / Reply
  - [ ] After Final
  - [ ] Affidavits/declaration(s)
- [ ] Extension of Time Request
- [ ] Express Abandonment Request
- [x] Information Disclosure Statement
- [ ] Certified Copy of Priority Document(s)
- [ ] Response to Missing Parts/ Incomplete Application
  - [ ] Response to Missing Parts under 37 CFR 1.52 or 1.53
- [ ] Assignment Papers *(for an Application)*
- [ ] Drawing(s)
- [ ] Licensing-related Papers
- [ ] Petition
- [ ] Petition to Convert to a Provisional Application
- [ ] Power of Attorney, Revocation Change of Correspondence Address
- [ ] Terminal Disclaimer
- [ ] Request for Refund
- [ ] CD, Number of CD(s) _____
- [ ] After Allowance Communication to Group
- [ ] Appeal Communication to Board of Appeals and Interferences
- [ ] Appeal Communication to Group *(Appeal Notice, Brief, Reply Brief)*
- [ ] Proprietary Information
- [ ] Status Letter
- [x] Other Enclosure(s) *(please identify below)*:

63 reference documents

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm *or* Individual name	Randee S. Schwartz, Attorney for Applicants, Registration No. 45,085
Signature	
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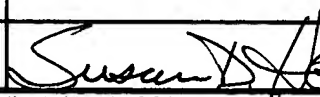
Signature		Date	October 25, 2002